



1-pair DIN rail plug-in Data surge protector

CITEL

DLAW-12D3



- Din rail plug-in surge protector
- 1-pair
- Un: 12 V
- Shield wire protection
- Plug-out with line cut-off
- IEC 61643-21 compliance
- UL497A



	Electrical Characteristics																																														
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Clamping diode</p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>RS232, RS485</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>12 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>15 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>> 3 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>< 1 dB</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>300 mA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Line inductance (± 10 %)</td> <td></td> <td>non</td> </tr> <tr> <td>Protection level @ In (8/20 μs)</td> <td>Up L/L</td> <td>30 V</td> </tr> <tr> <td>Protection level @ In (8/20 μs)</td> <td>Up L/PE</td> <td>20 V</td> </tr> <tr> <td>Impulse current 2 x 10/350 μs Test - D1 Category</td> <td>Iimp</td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current C2 Category</td> <td>In L/L</td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category</td> <td>In L/PE</td> <td>5 kA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>< 4.7 Ohm</td> </tr> <tr> <td>Line resistance (± 10%)</td> <td></td> <td>4.7 Ohm</td> </tr> </table>		Network		RS232, RS485	Nominal line voltage	Un	12 V	Max. DC operating voltage	Uc	15 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	300 mA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Line inductance (± 10 %)		non	Protection level @ In (8/20 μs)	Up L/L	30 V	Protection level @ In (8/20 μs)	Up L/PE	20 V	Impulse current 2 x 10/350 μs Test - D1 Category	Iimp	5 kA	Line/Line Nominal discharge current C2 Category	In L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	In L/PE	5 kA	Line resistance		< 4.7 Ohm	Line resistance (± 10%)		4.7 Ohm
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Mechanical Characteristics																																															
Disconnection		Specific version with line cut-off in case of removal plug-in module																																													
Technology		GDT+Clamping diode																																													
SPD configuration		1-pair+shielded																																													
Connection to Network		By screw terminal: cross section 0.5-2.5mm ²																																													
Format		Plug-in DIN box																																													
Mounting		Symmetrical rail 35 mm (EN 60715)																																													
Housing material		Thermoplastic UL94 V-0																																													
Operating temperature		Tu -40/+85°C																																													
Protection rating		IP20																																													
Failsafe mode		Short-circuit																																													
With line cut-off in case of removal plug-in module		Yes																																													
Disconnection indicator		Transmission interrupt - default mode 2																																													
Spare module(s)		DLAM-12D3																																													
Dimensions		See diagram																																													
Standards																																															
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A																																													
Part number																																															
640802																																															

